

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

THE LINE BETWEEN

SECTIONS 28 AND 29

AND

A METES AND BOUNDS SURVEY

IN SECTION 29

IN

TOWNSHIP 41 SOUTH, RANGE 13 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Larry V. Judd
Cadastral Surveyor

Under special instructions dated *November 4, 1996*, approved November 4, 1996, which provided for the surveys included under Group Number 866, and assignment instructions dated *November 22, 1996*

Survey commenced *March 31, 1997*
Survey completed *April 8, 1997*

INDEX DIAGRAM

Township 41 South, Range 13 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP 41 SOUTH, RANGE 13 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

The following field notes describe the dependent resurvey of the line between sections 28 and 29, and a metes and bounds survey in section 29, in Township 41 South, Range 13 West, Salt Lake Meridian, Utah.

History of Surveys

Surveyed by	Retr. or Resurveyed by
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NORTH BOUNDARY (Eight Standard Parallel South)

Portion	J. Bausman	1870		
Portion	J.C. Burrill	1877		
Portion	Jenkins & West	1897	Jenkins & West	1897
All			H.D. Heist	1902
Portion			R.C. Yundt	1949
Portion			C.P. Sylvester, etal	1978-79

SOUTH BOUNDARY

All	Bailey & Burrill	1877		
All			Jenkins & West	1897
Portion			Stewart & Snow	1909
Portion			C.P. Sylvester, etal	1978-79

EAST BOUNDARY

Portion	Bailey & Burrill	1877		
All	Jenkins & West	1897	Jenkins & West	1897
Portion			R.E.L. Collier	1909
Portion			C.P. Sylvester, etal	1978-79

WEST BOUNDARY (Second Guide Meridian West)

All	J. Gorlinski	1870		
Portion			Bailey & Burrill	1877
All			Jenkins & West	1897
Portion			H.G. Mason	1918-19
Portion			A. Nelson	1931
Portion			R.C. Yundt	1944
Portion			C.P. Sylvester, etal	1978-79

SUBDIVISION

Portion	J. Gorlinski	1870		
Portion	Bailey & Burrill	1877		
All	Jenkins & West	1897	Jenkins & West	1897
Portion			A. Nelson	1931
Portion			R.C. Yundt	1949
Portion			C.P. Sylvester, etal	1978-79

TOWNSHIP 41 SOUTH, RANGE 13 WEST, SALT LAKE MERIDIAN, UTAH

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The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 866, Utah, dated November 4, 1996.

The directions of lines were determined by references to true meridians established on line by hour angle observations of the sun and Polaris. The lines were carried forward by sustained angulations, being supplemented by other observations taken throughout the progress of the survey. Distances were determined by electronic measurement.

Preliminary to the resurvey, the lines of the original survey were retraced and a diligent search was made for any evidence of the original field note record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the corner of sections 28, 29, 32, and 33, as determined by a direct tie to U.S. Geological Survey triangulation station "VOLCANO MT. 1954", is:

Latitude 37°11'06.57" N. Longitude 113°19'38.05" W.
N.A.D. 1927

The mean magnetic declination as projected from the U.S. Geological Survey Magnetic Declination Map of 1990 is: 13 1/2° East.

Dependent Resurvey of the Line between Sections 28 and 29,
T. 41 S., R. 13 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
Jenkins & West in 1897 and the Resurvey by
C.P. Sylvester, et al in 1978-79

Beginning at the corner of sections 28, 29, 32, and 33, monumented with a Washington County brass cap 3 ins. diam., set flush in a concrete pillar, 6 ins. diam., projecting 5 ins. above ground, with brass cap marked:

WASHINGTON COUNTY

T41S
29 | 28
32 | 33
R13W
1974

The corner is set at the corner of fences N, S, E, and W.

U.S. Geological Survey triangulation station "VOLCANO MT. 1954", monumented with a standard tablet set in a volcanic rock, projecting 8 ins. above ground, with the tablet marked "VOLCANO MT. 1954", bears S. 11°32.8' W., (forward bearing), and N. 11°32.6' E., (back bearing), 126.649 chains distance.

DEPENDENT RESURVEY OF THE LINE BETWEEN SECTIONS 28 AND 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH


CHAINS

N. 0°13.2' W., between sections 28 and 29.

36.867

Point selected for Angle Point No. 1.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-1

 1997

The corner falls 2 1/2 ft. N of the edge of perpendicular ledges.

40.061

The 1/4 section corner of sections 28 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground with the brass cap marked as described in the official record of the resurvey by C.P. Sylvester, etal in 1978-79.


Raise a mound of stone, 4 ft. base by 2 ft. high, W of the iron post.

N. 0°20.0' W., beginning new measurement.

15.349

Point selected for Angle Point No. 18.

Set a rebar, 3/4 ins. diam., 14 ins. long, drilled 12 ins. into solid rock, set in concrete with a 3 1/4 inch, diam. aluminum cap marked:

AP-18

 1997

The corner falls at the base of a rock outcrop on the NW side.

19.956

True point for the N 1/16 section corner of sections 28 and 29, falls on steep W slope of ledges; not monumented.

20.126

The witness corner to the N 1/16 section corner of sections 28 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, set in a mound of stone, with the brass cap marked as described in the official record of the resurvey by C.P. Sylvester, etal in 1978-79.

The corner falls on a steep W slope.

N. 0°27.5' W., beginning new measurement.

DEPENDENT RESURVEY OF THE LINE BETWEEN SECTIONS 28 AND 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

19.715

The corner of sections 20, 21, 28, and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set in a mound of stone, with the brass cap marked as described in the official record of the resurvey by C.P. Sylvester, et al in 1978-79.

The corner is set in the bottom of a drainage. 15 ft. wide, drains southerly.

Metes and Bounds Survey in Section 29,
T. 41 S., R. 13 W., Salt Lake Meridian, Utah

From Angle Point No. 1 on the line between sections 28 and 29, hereinbefore described.

N. 68°11.2' W., on line 1 - 2.

2.853

Point selected for Angle Point No. 2.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-2



1997

The corner falls approximately 11 ft. N of the edge of perpendicular ledges.

N. 53°46.7' W., on line 2 - 3.

1.312

Point selected for Angle Point No. 3.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-3



1997

The corner falls 5 ft. N of the edge of perpendicular ledges.

N. 57°55.5' W., on line 3 - 4.

2.712

Point selected for Angle Point No. 4.

Set a rebar, 3/4 ins. diam., 7 ins. long, drilled 6 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

METES AND BOUNDS SURVEY IN SECTION 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

AP-4

1997

The corner falls approximately 10 ft. N of the edge of perpendicular ledges.

N. 39°17.8' W., on line 4 - 5.

1.059 Point selected for Angle Point No. 5; not monumented.

S. 87°38.0' W., on line 5 - 6.

2.154 Point selected for Angle Point No. 6.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-6

1997

The corner falls 4 ft. N of the edge of perpendicular ledges.

N. 67°12.3' W., on line 6 - 7.

1.250 Point selected for Angle Point No. 7; not monumented.

N. 49°53.2' W., on line 7 - 8.

2.631 Point selected for Angle Point No. 8; not monumented.

N. 44°05.4' W., on line 8 - 9.

2.144 Point selected for Angle Point No. 9.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 9 ins. into solid rock, with a 3 1/4 inch diam. aluminum cap marked:

AP-9

1997

METES AND BOUNDS SURVEY IN SECTION 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

The corner falls approximately 10 ft. N of the edge of perpendicular ledges.

N. $40^{\circ}52.8'$ W., on line 9 - 10.

1.938 Point selected for Angle Point No. 10.

Set a rebar, 3/4 ins. diam., 14 ins. long, drilled 8 ins. into solid rock, set in a mound of stone, 3 ft. base to top of a 3 1/4 inch diam. aluminum cap marked:

AP-10
1997

The corner falls on the W side of a rock outcrop.

N. $2^{\circ}23.9'$ E., on line 10 - 11.

0.818 Point selected for Angle Point No. 11.

Set a rebar, 3/4 ins. diam. 14 ins. long, drilled 10 ins. into solid rock, set in concrete and in a mound of stone, 3 ft. base to top of a 3 1/4 inch diam. aluminum cap marked:

AP-11
1997

N. $49^{\circ}14.4'$ E., on line 11 - 12.

0.929 Point selected for Angle Point No. 12; not monumented.

S. $88^{\circ}00.7'$ E., on line 12 - 13.

1.238 Point selected for Angle Point No. 13.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, with a 3 1/4 inch diam. aluminum cap marked:

AP-13
1997

The corner falls approximately 22 ft. S of the edge of perpendicular ledges.

METES AND BOUNDS SURVEY IN SECTION 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 68°37.9' E., on line 13 - 14.

- 1.089** Point selected for Angle Point No. 14; not monumented.

N. 80°59.9' E., on line 14 - 15.

- 4.213** Point selected for Angle Point No. 15.

Set a rebar, 3/4 ins. diam., 16 ins. long, drilled 14 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-15



1997

The corner falls approximately 25 ft. S of the edge of perpendicular ledges.

N. 53°29.0' E., on line 15 - 16.

- 5.899** Point selected for Angle Point No. 16.

Set a rebar, 3/4 ins. diam., 10 ins. long, drilled 8 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-16



1997

The corner falls approximately 11 ft. S of the edge of perpendicular ledges.

N. 32°41.7' E., on line 16 - 17.

- 1.572** Point selected for Angle Point No. 17.

Set a rebar, 3/4 ins. diam., 14 ins. long, drilled 10 ins. into solid rock, set in concrete with a 3 1/4 inch diam. aluminum cap marked:

AP-17



1997

The corner falls approximately 10 ft. S of the edge of perpendicular ledges.

METES AND BOUNDS SURVEY IN SECTION 29,
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 42°36.1' E., on line 17 - 18.

2.826

Angle Point No. 18, hereinbefore described.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Steve Oatman	Survey Technician

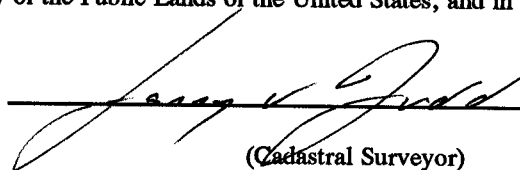
CERTIFICATE OF SURVEY

I, **Larry V. Judd, Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *4th day of November, 1996*, I have *dependently resurveyed the line between sections 28 and 29, and a metes and bounds survey in section 29, in Township 41 South, Range 13 West,*

of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

September 11, 1997

Date


(Cadastral Surveyor)

Date

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah


The foregoing field notes of the *dependent resurvey of the line between sections 28 and 29, and a metes and bounds survey in section 29, in Township 41 South, Range 13 West, Salt Lake Meridian, Utah,*

executed by **Larry V. Judd, Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

September 11, 1997

Date


(Chief Cadastral Surveyor for Utah)